

State of the Heart for African-Americans

Cardiovascular Disease in South Carolina

Burden of Disease:

- In the United States, over 100,000 African-Americans die each year from cardiovascular disease (CVD), which includes heart disease, stroke, high blood pressure, congestive heart failure, and other diseases of the circulatory system.
- CVD is South Carolina's leading killer for both men and women among all racial and ethnic groups. During 2005, 3,607 African-Americans died from CVD in South Carolina.
- African-Americans face higher risks of developing ischemic heart disease and suffer stroke deaths more often than do Caucasians. These higher illness rates result in 10 years of lost life for African-Americans in South Carolina and a stroke mortality rate that was 19 percent higher than the national average in 2004 for African-Americans.
- Heart disease and stroke accounted for 24,057 hospitalizations in 2005 for African-American South Carolinians, with a total hospitalization cost of more than \$778 million.

Smoking

- Cigarette smokers have a 70 percent greater chance of dying of heart disease than nonsmokers.
- Nearly one out of every five African-American adults in South Carolina smokes.

Overweight and Obesity

- Being overweight contributes to 32 percent of heart disease conditions each year.
- More than 70 percent of African-Americans in South Carolina are overweight or obese. For African-American women, the number is three out of every four.

Sedentary Lifestyle

- Less active, less physically fit persons have a 30 to 50 percent greater risk of developing high blood pressure.
- When it comes to physical activity in South Carolina, almost two out of every three African-Americans are either inactive or are not regularly active.
- Physical inactivity is more common among African-American women than men.

Hypertension (High Blood Pressure)

- People with hypertension have three to four times the risk of developing heart disease than those without high blood pressure
- One in three African-Americans in South Carolina has hypertension.

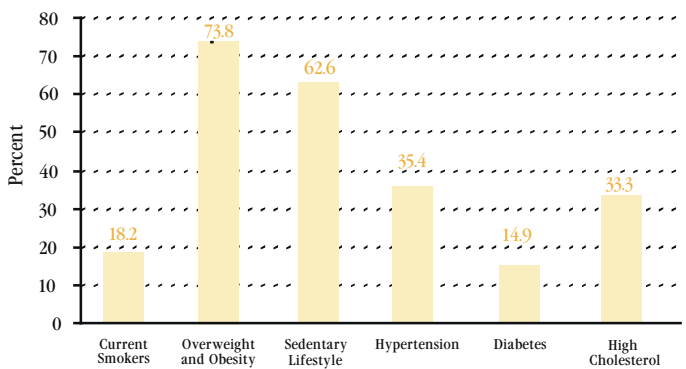
Diabetes

- Two-thirds of people with diabetes die of heart disease or stroke.
- One out of every seven African-American adults in South Carolina has diabetes, which is 80 percent higher than the rate for Caucasian adults.

High Cholesterol

- Lowering blood cholesterol results in a two-fold reduction of heart disease risk.
- One in three African-Americans in South Carolina has high cholesterol.

Prevalence of CVD Risk Factors
Among African-Americans



Data Source: South Carolina Behavioral Risk Factor Surveillance System 2005

Risk Factors for South Carolinians:

Estimated Economic Cost of CVD in the United States in 2007

\$283.2 billion in direct costs (i.e., physicians, hospital, medications)

\$148.6 billion in indirect costs (i.e., loss in productivity)

Stroke Among African-Americans

in South Carolina



Burden of Disease for South Carolinians:

- Stroke is a leading cause of serious, long-term disability in the United States.
- South Carolina had the second highest stroke death rate in the nation in 2003 and is among a group of Southeastern states with high stroke death rates that is referred to as the "Stroke Belt."
- Stroke is the third leading cause of death for African-Americans in South Carolina, resulting in 747 deaths during 2005.
- African-Americans are more than 46 percent more likely to die from stroke than Caucasians in South Carolina.
- Stroke resulted in 4,319 hospitalizations for African-Americans in South Carolina during 2005.

Modifiable Risk Factors for Stroke:

- High blood pressure
- Cigarette smoking
- Diabetes
- Heart disease
- Poor eating habits
- Physical inactivity

Warning Signs of Stroke:

- Walk - is balance off?
- Talk - is speech slurred or face droopy?
- Reach - is one side weak or numb?
- See - is vision all or partially lost?
- Feel - is headache severe?

How to Reduce Your Risk of Stroke:

- Getting your blood pressure checked
- Staying active
- Eating a healthy diet
- Using less salt
- If you drink alcohol, drinking in moderation
- Getting your cholesterol level checked
- Staying smoke-free

Economic Cost of Stroke:

- Hospitalization costs of stroke totaled more than \$131 million for African-American South Carolinians in 2005.
- The total cost of stroke in the United States for 2007 is estimated at \$62.7 billion (both direct and indirect costs).

For more information on cardiovascular disease prevention in South Carolina, please contact:

Bureau of Community Health and Chronic Disease Prevention

Heart Disease & Stroke Prevention Division

1800 St. Julian Place

Columbia, SC 29204

(803) 545-4500

<http://www.scdhec.gov/hdsp>

Information for this fact sheet was obtained from S.C. BRFSS, S.C. Vital Records, S.C. Hospital Discharge Data, American Heart Association, and Centers for Disease Control and Prevention.

Fact sheet produced by Office of Chronic Disease Epidemiology, October 2007.



www.scdhec.gov

*Promoting and protecting the health of the public
and the environment*